

- C1
1. A fluid dispenser for dispensing a fluid onto a substrate comprising:
a dispensing valve movable between open and closed positions for
controlling a flow of the fluid from said fluid dispenser;
a solenoid, the operation of said solenoid being effective to cause
5 said dispensing valve to move between the open and closed positions;
a power supply having an output voltage; and
a driver circuit electrically connected to said solenoid and said
power supply and providing an output signal to said solenoid having an initial
peak current with a variable duration followed by a hold current, the duration of
10 said initial peak current varying as a function of the output voltage of said power
supply. \

C2

4. The fluid dispenser of claim 1 wherein the driver circuit further comprises a
peak current duration control connected to said power supply and providing a
signal varying as an inverse function of the output voltage of said power supply.

C3

21. The method of claim 19 further comprising varying the variable duration of
the initial peak current of the output signal as an inverse function of the voltage
of the power supply.

Remarks

Claims 1, 4 and 21 have been amended. Claims 1-4, 16 and 19, 21-23 remain in the application, and re-examination and reconsideration of the application are respectfully requested.

Applicant notes that the Office Action does not recognize the cancellation of claim 20 in the Amendment and Response filed July 11, 2002.

Claims 1-4 and 19-22 are rejected under 35 U.S.C. §112, second paragraph, for reasons stated in the Office Action. More specifically, in claim 1, line 9, the word "having" was inadvertently deleted and has been added back in the claim. Claim 4, line 2 recites a signal provided from a peak current duration control 84, whereas claim 1, line 2 recites an output signal provided from the